ABSTRACT

1. Method and arrangement for touchless detection of data of uneven surfaces

2.1 The present invention is underlied by the problem to specify a method and an apparatus of the initially said type which enable touchlessly scanning of uneven surfaces, in particular of a relief made up of dermal ridges, and creating an image of the surfaces true to original with high contrast.

2.2 According to the present invention, the problem is solved by scanning the surface without a touching contact to optically effective surfaces by illuminating them in a strip-shaped manner and, by using light reflected at discrete locations, creating partial images of the object, which are selectively analyzed and composed to an overall image.

2.3 The present invention relates to a method and an arrangement for detection of data of uneven surfaces, in particular for acquisition of biometric data at faces and fingers, using a light source for illumination of the uneven surface, an imaging optical system and an analyzing facility for electronic image processing.